

A Thai case study: One Health approach for participatory research design to strengthen community responsibility in waste and waste water management and collaboration at Animal/Human/Environment interface.

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In the framework of ComAcross EuropeAid project, a case study is implemented in Ayutthaya province, Thailand in order to address Health impacts of waste and water resources management at provincial and municipality levels in Thailand, according to the community needs as it has been revealed through bottom-up participatory approach. The study involves local authorities, communities and provincial authorities as well as academic staff. Capacities are built in participatory epidemiology, health risk mapping and participatory modelling in order to identify Environmental Health issues in link with livelihoods (notably agriculture and livestock farming) and to map the institutional local context and coordination gaps. We aim at improving the coordination between actors and sectors (Agriculture/Health/Environment) and to provide scientific evidences regarding health risk linked to waste and water management. Agricultural waste water and landfill contamination to the natural water bodies will be studied as well as social responsibility of each stakeholder and coordination gaps between activity sectors to overcome waste and waste water management problems for communities and at provincial level. One Health approach can lead to communities' empowerment to find solutions to their own development challenges.